

Abstract of the Disclosure

MAT II  $\beta$  subunit proteins and cDNAs encoding the same. Recombinant host cells, recombinant nucleic acids and recombinant proteins are also disclosed, along with methods of producing each. Isolated and purified antibodies to MAT II  $\beta$  subunit homologs, and methods of producing the same, are also disclosed. MAT II  $\beta$  subunit gene products are characterized as having activity in modulating the biological activity of MAT II. Thus, therapeutic methods involving these activities are also disclosed.

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